



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090848

Mode: Highway

Status: Submitted

NC-62 (New Route - NC 62 Bypass)

From/Cross Street: East of NC 62 in Alamance

Specific Improvement Type: 5 - Construct Roadway on New Location

To: Kirkpatrick Road, North of Alamance

Project Category: Regional Impact

Length: 1.46

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$15,991,000

Description:

New Location. East of Existing NC 62 Route in Village of Alamance. Multi-Lane Facility with Sidewalks and Mast Arm Signal Poles

Division(s): Division 7

County(s): ALAMANCE

MPOS(s)/RPO(s): Burlington Graham MPO

Project Location



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 30.57

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 35.27	Percent: 15% Points: 0	Percent: 15% Points: 100
Safety (10%) 51.53		
Accessibility / Connectivity (10%) 5.57		
[Travel Time] Benefit/Cost (25%) 4.18		
Totals: Weight: 70% Weighted Score: 15.57		

Division Needs Total Score: 13.04

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 35.27	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 51.53		
[Travel Time] Benefit/Cost (20%) 4.18		
Totals: Weight: 50% Weighted Score: 13.04		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	42
Length (miles):	2.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	8357.81
Capacity:	15707.09
Volume/Capacity Ratio:	0.53
% Autos:	94%
% Trucks:	6%
Truck Volume:	527.85
Crash Density:	72.23
Crash Severity:	53.74
Critical Crash Rate:	28.63
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	20
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	60
Actual Congested Speed:	25.65
Travel Time Index:	1.12

Project Benefits

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	40
Length (miles):	1.46
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	2957782.9
Travel Time Savings for 30 Years (Autos):	2770981.29
Travel Time Savings for 30 Years (Trucks):	186801.61
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 7

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 7	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Burlington Graham MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$15,390,000	TIP Unit
Right-of-Way Cost:	\$537,000	Cost Estimation Tool
Utilities Cost:	\$64,000	Cost Estimation Tool
Total Project Cost:	\$15,991,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$15,991,000	